

# METHODS FOR REGULATING BETA-OXIDATION IN PLANTS

## ABSTRACT OF THE DISCLOSURE

The invention relates to the genetic manipulation of plants to increase oil accumulation in plant tissues, particularly seeds. Methods for decreasing  $\beta$ -oxidation in plants and optimizing oil accumulation in a seeds are provided. The methods find use in  
5 increasing the accumulation of oil or particular oil constituents in plant seeds. Isolated nucleotide molecules, isolated proteins, expression cassettes and transformed plants, plant tissues and plant cells are additionally provided.

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